SMARDA, JAN

Treti doplnek k Mechum Slovenska. Bratislava, Vyd. Slovenskej akademie vied. 1955. 42 p. (Slovenska akademia vied. Sekcia 2. Prace. Seria biologicka, sv. 1, zo it 9) (Third supplement to Mechy Slovenska (Mosses of Slovakia). German and Russian summaries. bibl.)

SOURCE: East European Accessions list, (EEAL) Library of Congress, Vol. 5, No. 8, August 1956.

ROSENBERT, Mita: SMARDA, Jan

Comparison of certain properties of bacteriophages produced by lysogenic bacteria and of bacteriophages from passages. Cesk. biol. 4 no.8:449-456 Aug 55.

1. Ustav pro obecnou biologii lekarske fakulty university v Brne.

(BACTERIOPHAGE, of lysogenic bact. & their passages, comparison.)

Sala, ..

Smarda, J. Elyna myosuroides (Vill.) Fritsch in the High Tatra. p.65

Vol. 10, no. 1, 1955 BIOLOMA Bratislava, Czechoslovakia

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 2 February, 1956

SHARDA, J.

Vegetative cover of the bare erosions and tundra soils in the Tatra Mountains. p.5. (BIOLOGICKE PRACE, Vol. 2, no. 8, 1956, Pratislava, Czechoslovakia.)

SO: Monthly List of East European Accessions (EFAL) LC, Vol. 6, no. 12, December 1957. Incl

SMARDA, V.		• •			
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the study of matura and J. Smarda Schuce allg. mid exp. Path. in vitra production of	l ultraliltration proce ir. med. Wische., 1950, Masaryk-Univ., Brno, protein-containing fluid ten filtestion of hum	roteins as a model [for stees. D. Wiedermann 88, 930—931 (Inst. f. Czechoslovakia).—The is resembling pathologian serum is described, lie obtained by careful membrane. (German) G. W. CSHIRIDGE	2.		
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EAUTHORIA MEDICA Sec.4 Vol.11/5 Microbiology, etc. Nay 1958

1290. INDUCTION OF BACTERIOPHAGES BY ULTRAVIOLET LIGHT IN A NATURALLY POLYLYSOGENIC STRAIN OF STAPHYLOCOCCUS AUREUS-Smarda J. Inst. of Gen. Biol., Med. Fac., Univ. of Brno - FOLIA BIOL. (Praha) 1957, 3/3 (160-169) Graphs 3

An attempt was made to resolve the problem of whether every cell of a polylysogenic strain produced both phages when lysed after induction by UV light, or whether certain cells always produce only one type. The work was carried out with a naturally polylysogenic strain LS 2 of Staphylococcus aureus. The experiments were arranged so that the bouillon cultures of LS 2 were irradiated by UV light in a quartz glass container; after certain exposures patterns were taken from the cultures, incubated and filtered through collodion membranes. The filtrates, after dilution, were tested on 2 indicator strains, CS 4 and CS 13, of M. pyogenes aureus, each of these strains detecting one of the phages produced by LS 2: F 4 and F 13. The quantitative relation of these 2 phages, the production of which could be greatly induced by UV, after increasing doses of irradiation was followed. In every normal culture of LS 2, the proportion of the titres of F 13 and F 4 was very nearly in the ratio of 3: 1. In the course of induction in visible light, the number of plaque-forming particles of F 13 increased far more that that of F 4. The titre of F 13 increased by as much as 400 times, while that of F 4 at most 12 times with the same dose. The proportion of the titre of F 13 to that of F 4 then reached the ratio of 367:1, in one specimen. When irradiating the cultures of LS 2 in the dark, completely different results were obtained, which were due to the absence of photoreactivation effect of visible light: the titre of F 13 increased at most 6 times only while that of F 4 as much as 34 times. It is concluded that one phage was probably liberated by cells which did not produce the other phage simultaneously, although potentially every cell could produce both in a constant ratio.

Nermut - Brno

```
Perseability of the casillary wall to proteine. Cesk. fysiol. 6 no.?:
201-207 1957.

1. Ustay pro vesobecomur experimentalni pathologii leharake fakulty university y Brne Ustay pro obecomu biologii lekarake fakulty university y Brne.

(CAPILLARES, physiology, perseability to proteins (Gz))

(PROTEINS Capillary perseability (Cz))
```

WIEDERMANN, D.; SMARDA, J.

Notes on the Permeability of the Capillary Walls to Proteins. Physiol. bohem. 6 no.2:232-239 1957.

1. Institute of General and Experimental Pathology, Medical Faculty, Brno University, Institute of General Biology, Medical Faculty, Brno University.

(CAPILLARY PERMEABILITY to proteins)

month, I

"Weture" and intifficial Progress of attains of Starbulococcus surems."

CERNOSIC VOICERA MINROBICLOGIE, Fraha, Cze shorlovskie, Vol. 3, no. 6, 1953

Monthly list of East Europe Accessions (EZAI), LC, Vol. 8, No. 6, Sept 59 Uncles

TARM, J.

COTEMOS

TERMA, J. A remarkable fint of the lichens, <u>Fulcentia fulcens</u> and <u>Squararia</u> <u>lenticers</u> is the Srip valley of Glovakia. p. 385.

Vol. 13, No. 6, 1958.

Monthly Index of Eart European Accessions (EEALL 16, Vol. 7, No. 12, Dec. 158

Shirps, at smarkfaski, J

"bremonotus mariagenius (Cerr.) Peers. In the High Tatre in Czechoslovakia."

BICLOGIA, Bratislava, Czechoslovekia, Vol. 13, no. 6, 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59 Unclas

SMARDA, J.

"A new place of occurrence of Carex pediformis C.A.M. in Slovakia."

BIOLOGIA, Slovenska akademia vied, Bratislava, Czechoslovakia, Vol. 13, No. 12, 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959 Uncl.

SMARDA, J.

Incidence and manifestations of colicinogeny in strains of Escherichia coli. J.hyg.epidem., Praha 4 no.2:151-165 60.

1. Department of General Biology, Medical Faculty, Masaryk University, Brno.
(ESCHERICHIA COLI)

SMARDA, J.

The latent period after u.v. induction of phage and colicin synthesis. Folia microbiol 6 no.1:44-48 '60. (EEAI 10:5)

1. Department of Biology, Medical Faculty of the J.E. Purkyne University, Brno.
(BACTERIOPHAGE) (COLICINS) (ESCHERICHIA COLI)

Mosses growing on the mylonite substrata in the Tatra Mountains. Biologia 15 no.3:193-207 *60. (EEAI 9:8)

1. Katedra botaniky Masarykovy university, Brno. (SLOVAKIA--MOSSES)
(MYLONITE)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651420010-1"

. -.

A relict plant community with prevalent Carex paniculata in the western part of the Tatra Mountains. Biologia 15 no.5:344-353 *60. (REAI 9:11)

1. Katedra botaniky, Masarykovy university, Brno. (SLOVAKIA--CAREK PANICULATA)

Notes on the floristic research in the Tatra Mountain area. Biologia 15 no.10:779-784 '60. (EEAI 10:5)

1. Katedra botaniky Masarykovy university v Brne. (CZECHOSLOVAKIA--FLORA) (TATRA MOUNTAINS)

Problems concerning studies of the biology of species, ecology, and phytocoenology. Biologia 15 no.10:797-798 '60. (EAI 10:5)

 Katedra botaniky Masarykovej university v Brne. (BOTANY)

SMARDA, J.

Determination of lysogenic properties of human strains of Escherichia coli. Folia microbiol 6 no.4:225-230 161.

1. Department of General Biology, Medical Faculty of J.E. Purkyne University, Brno.

(BACTERIA)

Lichens on granite blocks in the Tatra Mountains. Biologia 16 no.3: 216-217 '61. (EEAI 10:9/10)

1. Geobotanicka laborator Ceskoslovenske akademie ved, potocka v Brne.

(LICHENS)

SMARDA, Jan, doc., dr.

Warm-loving plants in the upper run of Cierna Voda bellow the Skalne Vrata in the Belanske Tatra Mountains. Biologia 16 no.8:601-602 161.

1. Geobotanicka laborator Ceskoslovenske akademie ved, Brno, Stara 18. (PLANTS)

SMARDA, J.; VREA, M.

The microscopic picture of cells and penicillin-induced spheroplasts of Escherichia coli exposed to the action of colicin. Folia microbiol 7 no.2:104-108 ¹62.

1. Department of Biology, Medical Faculty, Purkyne University, Brno.

(ESCHERICHIA COLI pharmacol) (ANTIBIOTICS pharmacol) (PENICILLIN pharmacol)

SKYBOVA, Marta; SMARDA, Jan

A survey of the flora in the Branna River Basin in Hruby Jesenik Mountains. Prir cas slezsky 23 no.2:193-206 62.

SMARDA, J.

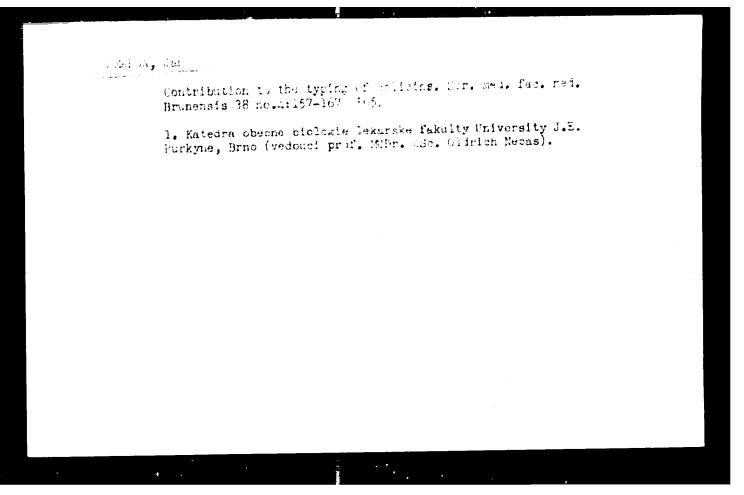
Lysogeny and Bactericcinogeny. Folia microbiol. 8 no. 4:254-263 Jl '63

1.Department of Biology, Faculty of Medicine, Purkyne University, Brno. (BACTERIOPHAGE) (ANTIBIOTICS) (ESCHERICHIA COLI) (GENETICS) (BACTERIA)

SMAHPE, J.

Microscopic picture of lysozyme and glycine spheroplasts of Eacherichia coli exposed to colicin. Folia microbiol. (Praha) 10 no.3:179-181 My 65.

1. Department of Biology, Faculty of Medicine, Purkyne University, Brno.



EAST GERMANY/CZECHOSLOVAKIA

SMARDA, J., Biological Institute of the Medical Faculty, J.E. Purkyne University, Brno, Czechoslovakia (Original-language version not given).

"An Inhibitor of Colicin G Produced by Proteus Mirabilis"

Eerlin, Zeitschrift fuar Allgemeine Mikrobiologie, Vol 6, No 4, 1966; pp 339-340.

Abstract: A substance is described which occurs in the cell-free filtrate of the culture and inactivates certain colicines in a type-specific manner. Many of the properties of this substance (especially its considerable resistance to heat, in addition to its type-specificity) indicate that it is a type of cell-free colicin receptor, though the possibility that it is a specific protease is not totally excluded. 4 references, 2 of which East German, 1 Belgian and 1 American. (Manuscript received 24 Feb 66).

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S/078/61/006/012/003/011 B110/B147

AUTHORS:

Bol'shakov, K. A., Fedorov, P. I., Smarina, Ye. I.,

Smirnova, I. N.

TITLE:

Study of the common solubility of magnesium and gallium in

aluminum

rERIODICAL: Znurnal neorganicheskoy knimii, v. 6, no. 12, 1961, 2727-2731

TEXT: The authors studied the ternary system aluminum - magnesium - gallium, and examined the common solubility of magnesium and gallium in aluminum at 290, 240, and 20°C. The alloys were molten from 99.6 and 99.9% Al. 99.91% Mg, and 99.97% Ga with a flux consisting of 46% of MgCl₂, 35% of KCl, 8% of CaCl₂ + NaCl, and 11% of BaCl₂. For 14 days to 3 months, the samples were annealed in evacuated glass ampuls and tempered in water. The common solubility was determined by microstructural analysis (etching agent: 2.5% HNO₃; 2.0% NaOH) and by determination of hardness according to Vicker (diamond pyramid, load: 10 kg). When the equilibrium limit of Card 1/\$

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Study of the common solubility of ...

homogeneity is reached, separations in the second phase increase, whereas the content of incidental impurities in phase transition remains unchanged. Microstructural studies showed the following phase regions : (1) that of the homogeneous aluminum-base solid solution. de; (2) two-phase regions. \mathcal{O}_{+} Λ , λ = z, λ + Mg₂da, λ + MgGe₂, λ + Ga; (3) three-phase regions: A+B+z; $L+z+Mg_2Ga$; $L+Mg_2Ga+MgGa$. The solid aluminum-base solution was found by alkaline etching, the β -phase (slightly yellow) and z-phase (black) were found by weak HNO3 (2.5%), Mg2Ga and MgGa phases were found by alkaline etching. Transitions from homogeneous into binary and ternary and from binary into ternary regions were characterized by selient points in the composition - hardness curves. This is in good agreement with data obtained by microstructural analysis. In the region of low da additions (& 1/2 by weight), the common solubility of Mg and Ga first increases at all temperatures, and then slightly drops again. It increases rapidly when the Al -Ga side is ap roached. There are 8 figures and 10 references: 1 Soviet and 9 non-Soviet. The two references to English-language publications read as follows: M. Hansen. Constitution of binary alloys, 1950, 105; I. Clare. J. Inst. Met.1s, 86, 431 (1958) Card 2/02

S/078/62/007/003/010/019 B110/B138

Equilibrium in the Mg-rich part...

4: 1) were examined, and one passing through the points of the compounds Al3MgA and Mg5Ga2. In sample 1:9, the constitution diagram consists of the primary crystallization lines of the \hat{c} -solid solution on Mg base and primary precipitation of the p-phase with a flat peak at 460°C. The two lines intersect at 67.5% of Mg and 435°C. A wide 8-8 two-phase range exists in the solid state. A homogeneous zone of the f-phase is believed to exist at 50-57% weight Mg. In ratio 1: 4, the liquidus consists of the precipitation lines of the o-solid solution and the r-phase which intersect at . + ptwo-phase range sections it was found that in ratio 2: 3 the prange was remarkably narrow in the solid state. In ratio 3: 2 the liquidus line corresponded to the crystallization of the f-solid solution and the f-phase. In the d+ Mg_5Ga_2 range, in ratio 4: 1 the liquidum consists of the line of primary precipitation of the solid solution on Mg base, and of the binary Mg_Ga2 compound. The intersection point was at 57.5 wt % Mg and 405°C. The section 1+1+Mg5Ga2 and d+Mg5Ga2 was taken. Since the Al3M64-Mg5Ga2 section Card 2/5

Equilibrium in the Mg-rich part...

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intersects the radical cuts proceeding from the Mg vertex of the triangle (Fig. 2), its examination complements that of the remaining sections. The diagram (Fig. 3,3) is quasibinary (eutectic at 388°C). The microhardness of the six samples was 293 - 307 kg/mm2, and that of the MgrGa, phase $242 - 256 \text{ kg/mm}^2$. The Al₃Mg₄ - Mg₅Ga₂ section in the Mg-Al-Ga system is quasibinary and cuts off the triangle Mg-Al3Mg4-Mg5Ga2 representing an elementary ternary system. The crystallization field of the solid solution on Mg base, lying on the liquidus surface of this system, is adjacent to the crystal ization fields of the x-phase of Al-Mg and of Mg-Ga, of Mg-Ga. The lines of the monovariant equilibrium E1E, E2E, E3E correspond to the reactions liq = 0 + r, liq = 0 + Mg5Ga2, liq = r + Mg5Ga2. The point of equilibrium was found at 62 wt % Mg, 26 wt % Ga, 13 weight % Al, and 380°C. Combined solubility, showed a decrease from 9.5 (A1 + Ga) at 340°C to 4 wt % at 20°C. K. I. Marinina is thanked for assistance in the experiments. There are 7 figures and 11 references: 1 Soviet and 10 non-Soviet. The three references to English-language publications read as follows: M. Hansen. Constitution of binary alloys, 1958, p. 105. V. Hume-Rothery, G. Raynor. J. Card 3/5

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EWF(q)/EWT(m)/BDS--AFFTC/ASD--JD

ACCESSION NR: AP3001219

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AUTHOR: Bol'shakov, K. A.; Fedorov, P. I.; Smarina, Ye. I.

TITLE: Beta prime phase of aluminum-magnesium system.

SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 6, 1963, 1412-1418

TOPIC TAGS: aluminum, magnesium, microhardness, interplanar distances, Ga, In, Tl

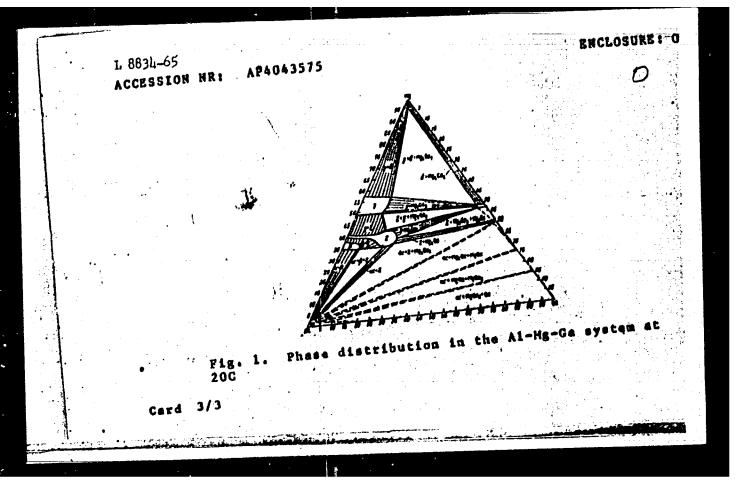
ABSTRACT: The section of the Al-Mg diagram between 35-50 wt. \$ Mg was investigated. The Beta prime phase was formed by cooling melts containing 40-43 wt. \$ Mg at about 2.5 degrees per minute; more rapid cooling gave Gamma and Gamma + Beta phases; cooling at 0.5 degrees per minute crystallized the Beta + Gamma phases in a sutectic environment. Microhardness and interplanar distances were measured in poured samples (41-41.5\$ Mg, Beta prime phase) prepared under incomplete annealing. A study of the possibility of stabilizing the Beta prime phase in crystallization from the melt by addition of Ga, In or Tl showed that only Ga stabilized effectively. "In conclusion, we thank Ye. S. Makarov for help and consultation in conducting the X-ray investigations. Orig. art. has: 4 tables and 4 figures.

ASSOCIATION: none

Card 1/7/

 $Ps-l_4$ ASD(m)-3/AS(mp)-2 EdT(m)/EPR/EWP(q)/EWP(b) L 8834-65 5/0078/64/009/008/1883/1897 ACCESSION NR: AP4043575 AUTHOR: Bol'shakov, K. A.; Fedorov, P. I.; Smarina, Ye. I.; Smirnova I. N. TITLE: The Al-Hg-Ga system Zhurnal neorganicheskoy khimii, v. 9, no. 8, 1964, 1883-1897 SOURCE: TOPIC TAGS: aluminum magnesium gallium system, ternary alloy, alloy phase diagram, alloy phase structure ABSTRACT: Alloys of the Al-Hg-Ga system in the as-cast, quenched, and annealed conditions were investigated by thermal analysis and x-ray diffraction pattern examination. (The compositions of investigated alloys melted from 99.6 or 99.9% pure Al, 99.9% pure Hg. and 99.97% pure Ga were along the sections parallel to the Al-Hg side of the concentration triangle and had a constant Ga content of 5, 10, 15 20, 25, 30, and 35 wtx. In addition, Al-HgsGa2, HgsGa2-36x Kg, 66x Al sections, and a section with a constant 25 wtx Hg content were investigated. On the basis of the obtained results, phase diagrams of the Al-Hg-Ga system and investigated sections, and the isotherms at Card 1/3

L 8834-65 ACCESSION NR: AP4043575 300 and 200 were plotted (see Fig. 1 of the Enclosure). In the Al-Mg-Ga phase diagram a ternary intermetallic phase, 2, which forms an extensive region of solid solutions and can be regardedes a berthole lide-type phase, was identified. The structure of the Z phase is highly similar to the structure of the \$ phase obtained under conditions of imcomplete annealing of the Al-Hg system. At the temperature of the liquids' surface, the Al-Hg-Ga diagram is characterized by the absence of strictly binary sections and by the presence of quesi-binary sections. In solid condition, however, two-phase regions are clearly distinguishable between adjacent single-phase regions. art. has: 13 figures and 1 table. ASSOCIATION: none BNCL: 01 SUBMITTED 29Nay63 ATD PRESS: 3106 HO REP SOVE 005 SUB CODE: Card 2/3



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Smarnov, Vladimir Ivanovich; Lebede	v. Hikolay Androyevich		
Constructive theory of <u>functions</u> of funktsiy komplekanogo paremonuog biblio, indices. 7,500 copies	the complex variable (Konstr o), Moscow, Izd-vo "Nauka", : printed.		
TOPIC TAGS: function, mathematics,	, polynomial, complex variable	.5	
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MIKLOS, Gyula; SMAROGLAY, Ferenc

The 13th itinerary meeting of the Hungarian Geographical Society; Gyula, September 19-21, 1959. Foldr kosl 8 no.1:101-109 160.

1. Fovarosi Pedagogiai Szeminarium tanszekvezeto tanara, Budapest (for Smaroglay).

KAZAR, Leona; SMAROGLAY, Ferenc, dr.; TOTH, Aurel, dr., kozepiskolai tanar

Report on the work of the Division of the Methodology of Teaching. Foldr kozl 10 no.3:301-302 162.

1. Magyar Foldrajzi Tarsasag Oktatasmodszertani Szakosztalyanak elnoke; Kozponti Pedagogus Tovabbkepzo Intezet tanszekvezeto tanara; "Foldrajzi Kozlemenyek" szerkeszto bizottsagi tagja (for Kazar). 2. Vezeto szakfelugyelo; Magyar Foldrajzi Tarsasag Oktatasmodszertani Szakosztalyanak tarselnoke (for Smaroglay). 3. Szakfelugyelo; Magyar Foldrajzi Tarsasag Oktatasmodszertani Szakosztalyanak titkara (for Toth).

NOWAK, Jan; MARKIEWICZ, Marian; SMARSZ, Czesław

Bromsulphalein test. Polski tygod. lek. 11 no.43:1824-1827
22 Oct 56.

1. (Z I Kliniki Chorob Wewnetrznych A.M. w Poznaniu;
Kierownik: prof. dr. med. St. Kwasniewski) adres: Poznan,
1 K1. Chor. Wewn A.M., ul. Dluga 1/2.

(LIVER FUNCTION TESTS,
phenolphthalein clearance test 'Pol))

(PHENOLPHTHALKIN DYES,
liver funct. tests (Pol))

SZERESZEWSKA, Halina; JASINSKI, Kazimierz; SMARSZ, Czeslaw

Hypopotassemia in nephrotic syndromes. Polskie arch. med. wewn. 31 no.3:413-420 161.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Poznaniu Kierownik: prof. dr med. S. Kwasniewski.

(POTASSIUM blood) (NEPHROSIS blood)

SKALMOWSKI, Tadeusz; SMARSZ, Czeslaw

Electrolytes in the blood serum in children with water metabolism disorders in the acute stage of infectious hepatitis. Prezegl. epidem. 16 no.2: 155-157 162.

1. Z Oddzialu Zakaznego Wojewodzkiego Szpitala Dzieciecego im.

B. Krysiewicza w Poznaniu Dyrektor Szpitale: dr med. M. Stabrowski. (WATER ELECTROLYTE BALANCE) (IEPATITIS INFECTIOUS metab)

JASINSKI, Kazimierz; RASZEJA, Bozena; SMARSZ, Czeslaw

Clinical value of determination of sodium paraaminohippurate and sodium thiosulfate clearance time. Polskie arch. med. wewn. 26 no. 8:1197-1199 1956.

(KIDNEY FUNCTION TESTS,
 sodium p-aminohippurate & sodium thiosulfate clearance
 time tests (Pol))
(MIPPURATES, in blood,
 sodium p-aminohippurate clearance time determ. in kidney
 funct. test (Pol))
(THIOSULFATES, in blood,
 sodium thiosulfate clearance time determ. in kidney funct.
 test (Pol))

RASZEJA-WANIC, Bozona; JASINSKI, Kazimierz; SMARSZ, Czeslaw

Therapeutic value of blood transfusion in kidney diseases. Polskie arch. med. wewn. 26 no.8:1225-1233 1956.

1. Z I Kliniki Chorob Wewn. A.M. w Poznaniu. Kierownik: prof. dr. med. S. Kwasniewski, Poznan, I Klinika Chor. Wewn. A.M. (KIDNEY DISEASES, therapy, blood transfusion (Pol)) (BLOOD TRANSFUSION, in various diseases, kidney dis. (Pol))

MAZUROWA, Aleksandra; CHODERA, Leon; SMARSZ, Czeslaw

Modification of blood electrolytes in post-insulin slight hypoglycenic states and its effects on electrocardiographic curve. Polskie arch. med. wew. 26 no.9:1349-1364 1956.

1. Z I Kliniki Chorob Wewnetrznych A. M. Poznaniu, Kierownik: prof. dr. med. S. Kwasniewski, Adres autora: Poznan, ul. Dluga 1/2.

(ELECTROLYTES, in blood, in hyperinsulinism, eff. on ECG (Pol))

(HYPERINSULINISM, blood in, electrolytes, eff. on ECG (Pol))

(ELECTROCARDIOGRAPH, eff. of blood electrolytes in hyperinsulinism (Pol))

CHODERA, Leon; MAZUROWA, Aleksandra; SMARSZ, Czeslaw

Studies on correlation between metabolic changes manifested by electrolytes and carbohydrates and electrocardiographic changes following adrenal in therapy. Polskie arch. med. wewn. 27 no.10: 1319-1333 1957.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Poznaniu Kierownik; prof. dr med. S. Kwasniewski. Adres autora: Poznan, ul. Dluga 1/2 I. Klin. Chor. Wewn. A.M.

(MPINEPHRINE, effects,
on blood sugar, potassium & on BCG (Pol))
(BLOOD SUGAR, effect of drugs on,
epinephrine, relation to blood potassium & BCG (Pol))
(POTASSIUM, in blood,
eff. of epinephrine, relation to blood sugar & BCG (Pol))
(ELECTROCARDIOGRAPHY,
eff. of epinephrine, relation to blood sugar & potassium
(Pol))

RASZEJA-WANIC, Bozena; JASINSKI, Kazimierw; SMARSZ, Czeslaw

Clinical value of the determination of the thiosulfate space in disorders of water & mineral metabolism. Polskie arch. med. wewn. 28 no.41504-505 1958.

1. Z I Kliniki Chorob Wewnetrsnych A.M. w Posnaniu Kierownik: prof. dr med. S. Kwasniewski.

(BODY FLUID BALANCE, disord., clin. value of determ. of extracellular thiosulfate space (Pol))

(THIOSULFATES, metab.
extracellular thiosulfate. space, clin. value of determ.
in water-electrolyte disord. (Pol))

MAZUROWA, Aleksandra; CHODERA, Leon; SMARSZ, Czeslaw

Effects of shifting of blood serum electrolytes on ECO curve during hypoglycemia and after adrenalin administration. Polskie arch. med. wewn. 28 no.4:541-543 1958.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Poznaniu. Kierownik: prof. dr med. S. Kwasniewski. (HYPOGLYCEMIA, eff. on blood electrolytes & ECG (Pol))

(EPINEPHRINE, eff. on ECG in relation to blood electrolytes (Pol)) (ELECTROCARDIOGRAPHY,

eff. of hypoglycemia & epinephrine admin. in relation to blood electrolytes (Pol))

(RECTROLYTES, in blood eff. of hypoglycemia & epinephrine admin. in relation to ECG (Pol))

CHODERA, Leon; MAZUROWA, Aleksandra; SMARSZ, Czeslaw

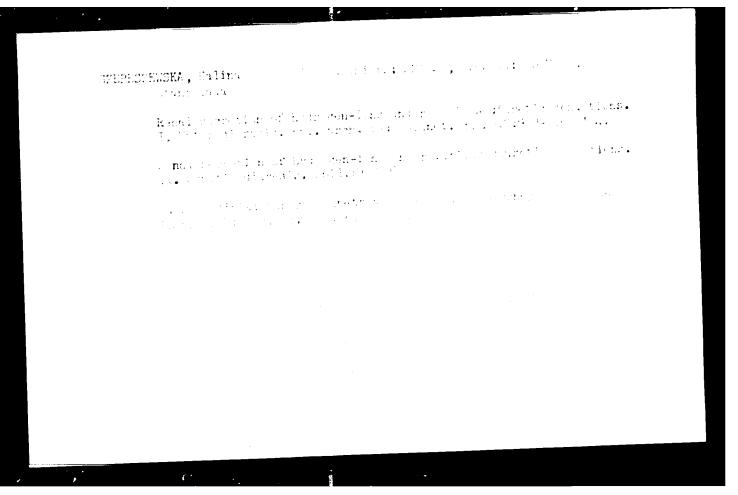
On the investigations on the ralationships between metabolic, electrolytic and carbohydrate exchange and electrocardiographic changes in the so-called energy-dynamic cardiac insufficiency. III. Hypoglycemic states interrupted by adrenalin. Polskie arch.med.wewn. 29 no.5:581-587 159.

1. Z I Kliniki Chorob Wewnetranych A. M. w Poznaniu Kierownik:
prof. dr med. S. Kwasniewski.
(***ECTROCARDIOGRAPHY pharmacol**)
(HYPERINSULIHISM)
(EPINEPHRIME pharmacol)
(WATER BLECTROLYTE BALANCE)

JASINSKI, Kazimierz; RASZEJA-WANIC, Bozena; KUBACKI, Andrzej; SMARSZ, Czesław

Effect of prolonged application of massive doses of cortisone on the osseous system and certain biochemical and histological changes in rabbits. Polskie arch.med.wewn. 30 no.6:839-841 *60.

1. Z I Kliniki Chorob Wewnetrznych A.M. w Poznaniu Kierownik: prof. dr med. S.Kwasniewski.
(CORTISOME pharmacol)
(BONE AND BOWES pharmacol)



275 D. A. L
Description of the contract of the state of

Approximate computation of concentration coefficients of continuous compensated systems. Akust. shur. 9 no.2:246-247 (MIRA 16:4)

163. (Sound)

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AUTHOR: Smary shev, M. D.

TITLE: Maximization of the directive gain of an antenna array 7

SOURCE: Radiotekhnika i elektronika, v. 9, no. 9, 1964, 1694-1696

TOPIC TAGS: antenna, antenna array, directive gain

ABSTRACT: As G. Gilbert and S. Morgan do not indicate in their article (Bell System Techn. J., 1955, 34, 3, 637) a permissible value of antenna sensitivity to random errors, their treatment of the problem does not provide a method for its rigorous solution. Hence, the author develops a new method of exciting the antenna which ensures a maximum mathematical expectation of the directive gain, with randomly applied excitation errors having a specified value. A formula for the mathematical expectation as an explicit function of excitation coefficients is developed, as well as a set of linear algebraic equations whose

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Pac-4/Pi-4/Fj-4/Pi-4/Peb

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ACCESSION NR: AP5006184

· -- -

AUTHOR: Smaryshev, M. D. (Leningrad)

TITLE: The array factor of a continuous and transparent acoustical volume antenna

SOURCE: Akusticheskiy zhurnal, v. 11, no. 1, 1965, 124-125

TOPIC TAGS: acoustic antenna, antenna theory, antenna model

ABSTRACT: The author analyzes a hypothetical acoustical antenna array whose elements are confined to a space within the right circular cylinder. The aim of the analysis is to determine efficiency of the antenna as a function of the space it occupies. The antenna elements are considered to be similar and distributed symmetrically and evenly, with the distance between adjacent elements less than half the wavelength, i.e., the antenna can be considered continuous. The elements would be excited with phase differences producing constructive interference along the cylinder axis. The analysis consists in determining the optimal ratio of cylinder height to cylinder diameter and the ratio of both to the wavelength. The formulas used for this purpose show that the array factor is proportional to the height-diameter this purpose show that the array factor is proportional to the height-diameter artio and diminishes with increasing diameter and wavelength roughly according to a square law, the dependence being steeper at low values of the diameter-wavelength

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ACCESSION NR: AP5006184

ratio. For instance, at a diameter-wavelength ratio of 0.5 and a height-wavelength ratio of 10, the concentration coefficient is 9 times larger than for a flat cylinder of the same cross section. The differences, however, are less with larger cross sections, since at a zero height-diameter ratio the concentration coefficient decreases only to its limit value of 0.5. The concentration coefficient, on the other hand, is also determined by the width of the directionality characteristic of the antenna at its first zero level. Since the directionality characteristic of the antenna under consideration depends on two directionality characteristics (that of antenna under consideration depends on two directionality characteristics (that of a flat ring and that of the generatrix), its width will coincide with the steeper of the two. Here again, the characteristic in general grows steeper with a decreasing height-diameter ratio. The analysis explains the low concentration values of large cross sections of the acoustic antenna arrays. Originart, has: 2 figures.

ASSOCIATION: none

SUBMITTED: 04Sep63

ENCL: 00

SUB CODE: GP, EC

NO REF SOV: 000

OTHER: 000

ATD PRESS:3198

Card 2/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP

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SEMERICAL AUGUSTANA AND SEMERICAN SERVICE SERV

"Onygon Absorption Under Hypothermia Conditions," a paper from the book
Theses of the Reports of the Scientific Session of the Military Medical Academy
That J. M. Kirov, Testsy Dokladov Hauchney Sessi, 29 Get-2 Hov 1956, Leningred.

SALEK, Jan; REHAK, Frantisck; SMAT, Vaclav

Long-term investigations on surgical therapy of bronchogenic carcinoma. Sborn. lek. 61 no.4:107-115 Apr 59.

1. II. chirurgicka klinika fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta akademik J. Divis. As. dr. J.S., II. chirurgicka klinika. U nemocnice 2. Praha 2.

(HUNG MEOPIASMS, surgery, bronchogenic cancer, remote results (Cz))

LHOTKA, J.; CHMEL, K.; FRIEDBERGER, V.; SMAT, V.; BOREK, Z.

Traumatic perforation of the esophagus. Rozhl.chir. 40 no.2-3:

147-149 Mr 161.

1. II.chirurgicka klinika WL, prednosta doc.dr. J.Lhotka. (ESOPHAGUS wds & inj)

SMAT, Vaclav

An unusually tortuous thoracic aorta. Rozhl. chir. 40 no.7:496-498 Jl '61.

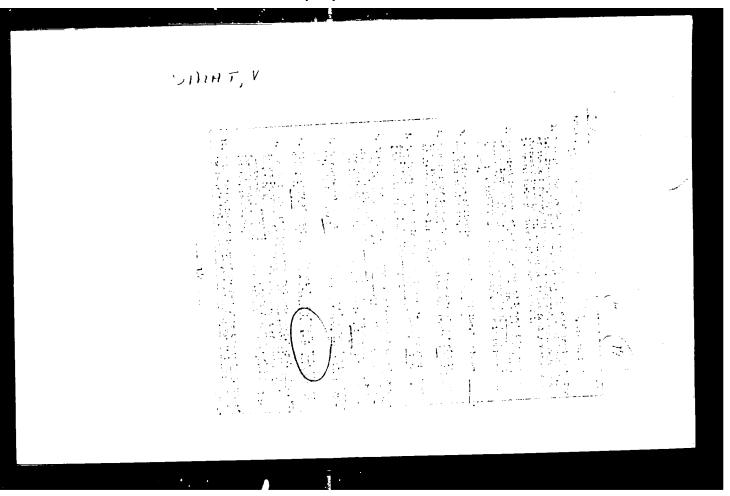
1. II chirurgicka klinika KU v Praze, prednosta doc. dr. J. Lhotka.

(AORTA abnorm)

SMAT, V.; POSPISIL, M.; VINCENCOVA, B.

Some indications for surgical treatment of inflammations of the gall-bladder. Cesk. gastroent. vyz. 15 no.8:607-611 D *62.

1. II. chirurgicka klinika v Praze, prednosta prof. dr J. Lhotka. (CHOLECYSTECTORY)



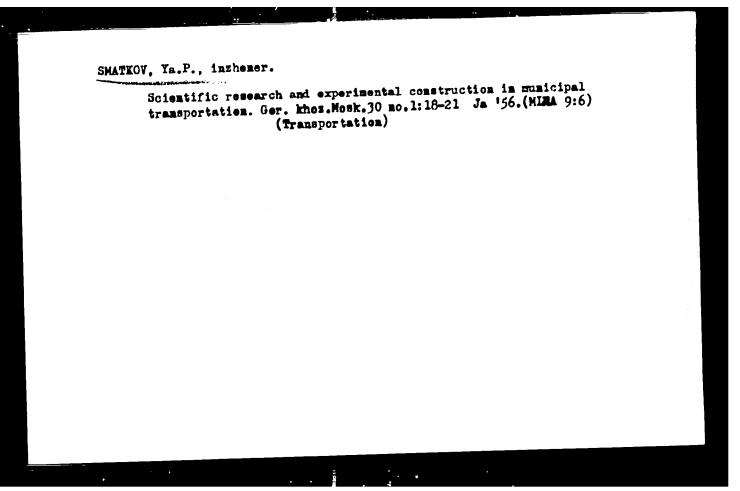
MOTLIK, K.; JANOUSKOVA, M.; HRADEC, E.; SMAT, V.

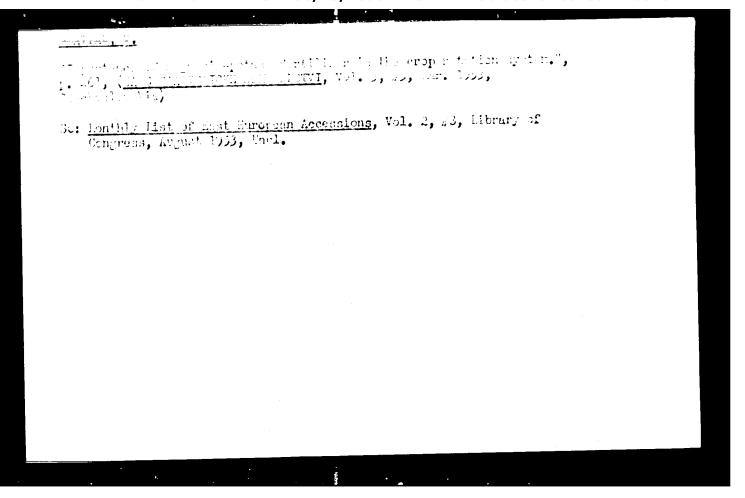
Some macroscopic indices on the distribution of medulla in human adrenal glands (morphological contribution to the problem of so-called medullectomy). Rozh. chir. 43 no.4:233-242 Ap '64.

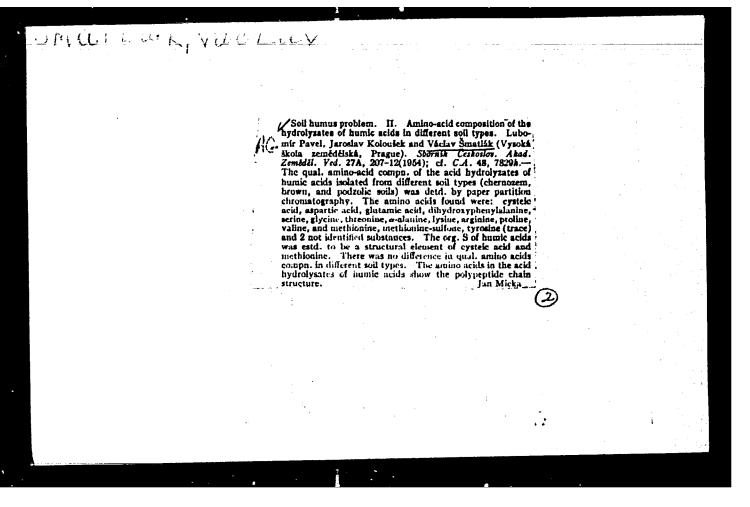
1. II. patologickoanatomicky ustav (prenosta prof. dr. V. Jedlicka) a II. chirurjicka klinika (prednosta prof. dr. J. Lhotka) fakulty vseobecneho lekarstvi KU [Karlova Universita] v Praze.

SMATANA, Anton, inz.

Modern methods of traction vehicle servicing at the locomotive depots of the Czechoslovak Railways. Zel dop tech 11 no.3:80-81 '63.







Species of bloodsucking midges (Culicoides) in the Ili River basin. Trudy Inst. zool. *N Kazakh. SSR 22:205-207 (r4. (MIRA 17:12)

ACC NR. AP6006152 (A) SOURCE CODE: CZ/0078/65/000/010/0011/0011 INVENTOR: Soucek, Jiri (Engineer; Benesov u Prahy); Hampl, K. (Vlasim); Saaus, F. (Benesov u Prahy); Skvor, J. (Engineer; Uvaly); Bezouska, V. (Pruhonice); Mrdlicka, J. (Prague); Pokorny, O. (Prague); Zavezel, Z. (Prague); Smetana, J. (Prague) ORG: none TITLE: (Thermal expansion compensator for semiconductor system) CZ Pat. No. PV SOURCE: Vynalezy, no. 10, 1965, 11 TOPIC TAGS: electrode, semiconductor device, thermal expansion ABSTRACT: The electrode of the housing of a semiconductor system which is vacuum (hermatically) tight secured by means of the electrical insulating part to the base (hermatically) tight secured by means of the electrical insulating a channel or duct housing forming the other electrode which has positioned inside it a channel or duct housing forming the other electrode which has positioned inside it a channel or duct housing forming the other electrode connection between the electrode and the semision member constituting an electrical connection between the electrode protrude from conductor system feature in the device described here. The electrodes protrude from conductor system feature in the device described here. The electrodes protrude from conductor system feature in the device described here. The electrodes protrude from conductor system feature in the device described here. The electrode to them deformation electrodes from the outside and that a conductor can be attached to them	INVENTOR: Soucek, Jiri (Engineer; Benesov u Prahy); Hampl, K. (Vlasim); Saaus, F. (Benesov u Prahy); Skvor, J. (Engineer; Uvaly); Bezouska, V. (Pruhonice); Mrdlicka, J. (Prague); Pokorny, O. (Prague); Zavazal, Z. (Prague); Smetana, J. (Prague) ORG: none TITLE: (Thermal expansion compensator for semiconductor system) CZ Pat. No. PV TOPIC TAGS: electrode, semiconductor device, thermal expansion ABSTRACT: The electrode of the housing of a semiconductor system which is vacuum (hermetically) tight secured by means of the electrical insulating part to the base (hermetically) tight secured by means of the electrical insulating a positioned expansion sealed from the outside to which is introduced inside the housing a positioned expansion member constituting an electrical connection between the electrode and the semision member constituting an electrical connection between the electrodes protrude from		
INVENTOR: Soucek, Jiri (Engineer; Benesov u Prahy); Hampl, K. (Vlasim); Sauus, F. (Benesov u Prahy); Skvor, J. (Engineer; Uvaly); Bezouska, V. (Pruhonice); Mrdlicka, J. (Prague); Pokorny, O, (Prague); Zavazal, Z. (Prague); Smetans, J. (Prague) ORG: none TITLE: (Thermal expansion compensator for semiconductor system CZ Pat. No. PV SOURCE: Vynalezy, no. 10, 1965, 11 TOPIC TAGS: electrode, semiconductor device, thermal expansion ABSTRACT: The electrode of the housing of a semiconductor system which is vacuum (hermatically) tight secured by means of the electrical insulating part to the base (hermatically) tight secured by means of the electrical insulating part to duct housing forming the other electrode which has positioned inside it a channel or duct housing forming the other electrode which has positioned inside it a channel or duct housing form the outside to which is introduced inside the housing a positioned expansabled from the outside to which is introduced inside the electrode and the semision member constituting an electrical connection between the electrode protrude from the table with the device described here. The electrodes protrude from	INVENTOR: Soucek, Jiri (Engineer; Benesov u Prahy); Hampl, K. (Vlasin); Saus, F. (Benesov u Prahy); Skvor, J. (Engineer; Uvaly); Bezouska, V. (Pruhonice); Mrdlicka, J. (Prague); Pokorny, O, (Prague); Zavazal, Z. (Prague); Smetana, J. (Prague) ORG: none TITLE: (Thermal expansion compensator for semiconductor system CZ Pat. No. PV TOPIC TAGS: electrode, semiconductor device, thermal expansion ABSTRACT: The electrode of the housing of a semiconductor system which is vacuum (hormetically) tight secured by means of the electrical insulating part to the base (hormetically) tight secured which has positioned inside it a channel or duct housing forming the other electrode which has positioned inside it a channel or duct housing forming the outside to which is introduced inside the housing a positioned expansealed from the outside to which is introduced inside the housing a positioned expansion member constituting an electrical connection between the electrode and the semision member constituting an electrical connection between the electrodes protrude from conductor system feature in the device described here. The electrodes protrude from the housing in such a way that to the expansion member fixed to it can be secured the housing in such a way that to the expansion member fixed to it can be attached to them deformation electrodes from the outside and that a conductor can be attached to them	L 44805-66 SOURCE CODE: CZ/0078/65/000/010/0011/0011	
SOURCE: Vynalezy, no. 10, 1965, 11 TOPIC TAGS: electrode, semiconductor device, thermal expansion ABSTRACT: The electrode of the housing of a semiconductor system which is vacuum (hermetically) tight secured by means of the electrical insulating part to the base (hermetically) tight secured by means of the electrical insulating part to the base (housing forming the other electrode which has positioned inside it a channel or duct housing form the outside to which is introduced inside the housing a positioned expansealed from the outside to which is introduced inside the electrode and the semision member constituting an electrical connection between the electrodes protrude from sion member constituting an electrical described here. The electrodes protrude from	SOURCE: Vynalezy, no. 10, 1965, 11 TOPIC TAGS: electrode, semiconductor device, thermal expansion ABSTRACT: The electrode of the housing of a semiconductor system which is vacuum (hermetically) tight secured by means of the electrical insulating part to the base (hermetically) tight secured by means of the positioned inside it a channel or duct housing forming the other electrode which has positioned inside it a channel or duct housing forming the other electrode which has positioned expanseled from the outside to which is introduced inside the housing a positioned expansion member constituting an electrical connection between the electrode and the semi-sion member constituting an electrical connection between the electrodes protrude from conductor system feature in the device described here. The electrodes protrude from the housing in such a way that to the expansion member fixed to it can be secured the housing in such a way that to the expansion member fixed to it can be attached to them deformation electrodes from the outside and that a conductor can be attached to them	INVENTOR: Soucek, Jiri (Engineer; Benesov u Prahy); Hampl, K. (Vlasim); Saaus, F. (Benesov u Prahy); Skvor, J. (Engineer; Uvaly); Bezouska, V. (Pruhonice); Hrdlicka, J. (Prague); Pokorny, O, (Prague); Zavezel, Z. (Prague); Seetana, J. (Prague)	
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TOPEKHA, Petr Pavlovich; KOVYZHENKO, V.V., otv. red.; SMAVZYUK, O.L., red.

[Problems of the unity of the trade-union movement in modern Japan] Voprosy edinstva profsoiuznogo dvizheniia v sovremennoi IAponii. Moskva, Izd-vo "Nauka," 1964. 162 p. (MIRA 17:4)

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CIA-RDP86-00513R001651420010-1

SMAYEVSKID V.YE.

USSR/ Physics - Luminescence

Card 1/1 Pub. 43 - 31/62

Authors Klimovskaya, K. L.; Vishnevskiy, V. N.; and Smayevskiy, V. Ye.

Title #About the luminescence of hydrazide of triaminophthalic acid

Periodical : Izv. AN SSSR. Ser. fiz. 18/6, 694-695, Nov-Dec 1954

Abstract

The changes in chemoluminescence intensity were investigated during the oxidation of yellow and white triaminophthalic hydrazide with hydrogen peroxide and potassium ferricyanide in an alkaline medium. The effect of hydrogen peroxide concentrations in the medium of the luminescence intensity is explained. The phenomena observed during the luminescence of the white and yellow hydrazines are described.

Institution: The Iv. Franko State University, L'vov

Submitted :

Two cases of toxoplasmosis. Zhur. nevr. i psikh. 60 no.3:312-314 (MIRA 14:5)

160. (TOXOPLASMOSIS)

ZABUGIN, F.D.; SMAYKINA, M.G. (Moskva)

Toxoplasmosis and its control. Fel'd. akush. 26 no.12: 24-27

(MIRA 14:12)

D '61. (TOXOPLASMOSIS)

SMAYKINA, M.G.

X-ray diagnosis of chronic forms of acquired toxoplasmosis. Trudy TSIU 80:142-144 165.

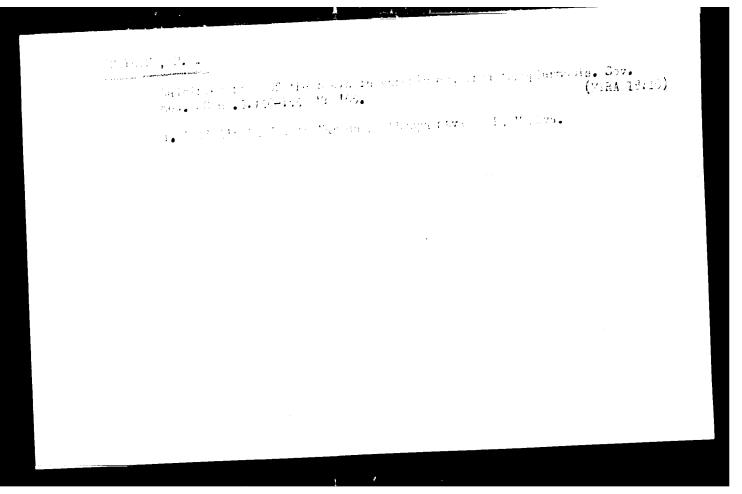
Methodology of X-ray examination of the skull in patients with acquired toxoplasmosis. Ibid.:145-147 (MIRA 18:11)

ZABUGIN, F.D.; SMAYKINA, M.G.

Clinical aspects of acquired toxoplasmosis (chaonic form).

Zhur. nevr. i psikh. 62 no.3:413-416 '62. (MIRA 15:3)

1. Poliklinika Gosplana SSSR, Moskva. (TOXOPLASMOSIS)



SMAYLIS, A. I., Cand Med Sci -- (diss) "Complications in Lung Operations (According to Data of the Inst of Surgery Acad Med Sci USSR)." Mos, 1957. 12 pp; I sheet of tables (Min of Health USSR, Central Inst for the Advanced Training of Physicians), 200 copies (KL, 48-57, 110)

- 74 -

SMAYLIS, A.I.; TSUKERMAN, B.M.

Diagnosis and therapy of pulmonary artery embolism. [with summary in English] Eksp. khir. 2 no.1:42-48 Ja-F 157

1. Iz Instituta khirurgii imeni A.V. Vishnevskogo (dir.-chlenkorrespondent AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR. (FULMONARY EMBOLISM AND THROMBOSIS, exper. diag. & surg. in dogs) (Rus)

Gomplications of pulmonary surgery. Sov.med.21 no.2:3-6 F '57.

(MLRA 10:6)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo (dir. - chlenkorrespondent Akademii meditsinskikh nauk SSSR prof. A.A.Vishnevskiy)

Akademii meditsinskikh nauk SSSR.

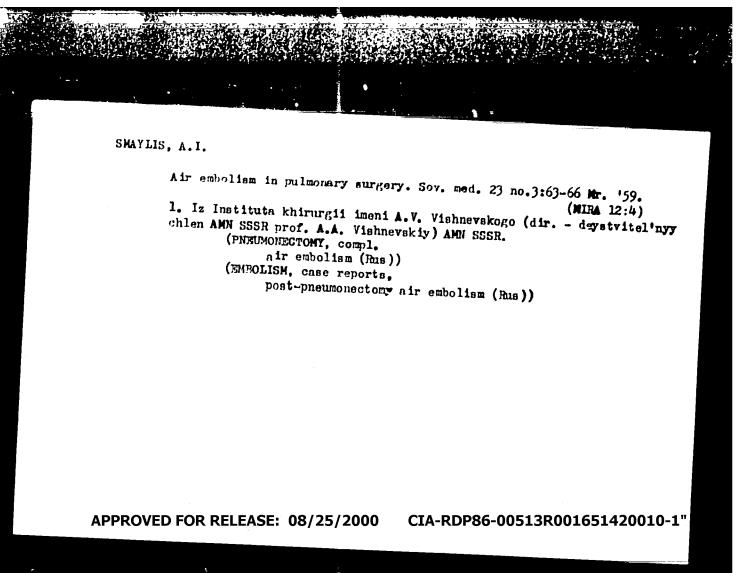
(LUNGS, surg.

compl., statist.)

Gomplications of lung surgery. Khirurgiia 33 no.4:74-80 Ap '57.

(MIRA 10:7)

1. Iz 2-go otdeleniya (zav. - prof. 0.V.Alipov) Instituts khirurgii
imeni A.V.Vishnevskogo AMN SSSR (dir. - chlen-korrespondent AMS SSR
prof. A.A.Vishnevskogo AMN SSSR (dir. - chlen-korrespondent AMS SSR
prof. A.A.Vishnevskogo AMN SSSR (dir. - chlen-korrespondent AMS SSR
postop. compl., prev., diag. & surg.)



contain across of efficiency blood correlation. Sov. med. 28
investigation of this. (MIPA 18:11)

1. Catedra respectationsy berasin 1 gospitationsy knimurgin fauncial polymers. C. Chien. kerrespondent

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SMAYLOV, V.P.

Forces arising in the process of forcing the head portion of shields and pipelines into the ground. Vod. i san. tekh. no.10:

(MIRA 10:11)

19-26 0 '57.

(Tunneling)

AFANAS YEV, I.B.; OVAKIMYAN, G.B.; YEREMINA, T.N.; VORONINA, I.B.; SMAYL'S, L.K.; BEER, A.A.

Synthesis of diamines, dicarboxylic acids, and chloro-substated monocarboxylic acids based on telomers of chloro-bromomethane with ethylene. Khim.prom. no.10:709-712 (MIRA 15:12)

(Amines)
(Acids, Organic)
(Polymers)

GIL'BAR, I.M.; SWAL'S, S.S.

Study of the electric generativity of eyes in school-age children on the southern coast of the Crimes. Uch. sap. ICPI no.160:223-226 '61.

New species of Foraminifers in lower Cretaceous sediments of Daghestan. Trudy Geol.inst.Dag.fil. AN SSSR 1:82-91 *57.

(Daghestan--Foraminifera, Fossil)

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AME	ZAK, S.		Am Dlant Bra	eding." p. 160. B	ratislava, Vol. 6, 1951	L•
"Us	ing Highly Deve	eloped Agrotech	nice in Flant mo	centember 1954.	ratislava, Vol. 6, 1951 Lib. of Congress	
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ACC NR: AP6021789

остиры соли: UN/0/13/66/000/012/0052/0052

INVENTORS: Smazhovskaya, Ye. G.; Rivkin, V. I.; Podel'nor, N. A.

ORG: none

TITLE: A coramic material. Class 21, No. 182779

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 52

TOPIC TAGS: coramic material, coramic technology, coramic product property, piezoelectric ceramic, piezoelectric effect, piezoelectric property, potassium compound

ABSTRACT: This Author Cortificate presents a ceramic material for producing piezo-electric elements and containing PoO, Bi₂O₃, and TiO₂. To increase the interval of working temperatures for the piezoelectric elements, aside from the above components, K₂O is introduced into this material. K₂O is added in the following molar proportion to the other ingredients:

PbO: Bi_2O_3 : K_2O : TiO_2 = (1 - X): $\frac{X}{4}$: $\frac{X}{4}$: 1 at X = 0.3 -- 0.6.

SUB CODE: 11,20/ SUBM DATE: 18Jun64

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UDC: 621.315.61:537.226.33

"Hamastigation of the Process of Not conting Seranic Anticles Union Pressure."

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[B. 1. Lendelsyev, escory, 1955

(Dissertation for the Jegree of Camidate of Lochnical Sciences)

[SC: Matchinera Letonia", No. 6 Aug 55

.24(3) AUTHORS:

Rez. I. J. Smazhevskaya, Ye. G.,

304/48-22-12-28/33

Kachkacheva K. W.

TITLE.

On the Problem of Piezcelectric Ceramics Production for High-Temperature Operations (K voprosu o poluchenii p'yezokeramiki

dlya raboty pri povyshennykh temperaturakh)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1958,

Vol 22; Nr 12, pp 1520-1525 (USSR)

ABSTRACT:

In the present paper the following compounds were obtained and their properties investigated: solid solutions of (Ba,Ca)TiO3, (Ba,Pb)TiO3: (Ba,Ca,Pb)TiO3, Pc(Ti,Zr)O3, lead niobate and solid solutions on the basis of the latter. Since in publications there are no details on PbNb206, a piezoelectric with the highest Curie (Kyuri) temperature (570°) and its formation conditions, this

reaction was subjected to a complex thermographic investigation in the GIEKI at Kh. S. Valeyev's laboratory. G. A. Smolenskiy and V. A. Isupov offered suggestions as to the selection of compositions for producing prevoelectric peramics on the basis

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of PbNb206. The principal experimental results are given in the

On the Problem of Piezoelectric Ceramics Production for SOV/48-22-12-28/33 High-Temperature Operations

table. The analysis of the data obtained reveals that solid nolutions on the basis of PbNb206 are the most appropriate compositions for electromechanical high-temperature transformers. Solid PhorographTiO, -solutions come next to them; however, considerable technical complications are involved in the production. Solid (Ba,Ca)TiO3 and (Ba,Ca,Pb)TiO3 solutions can be used in a subpolarization up to 120-130°. Solid (Ba, Pt)TiO, solutions probably will not be suitable, unless the homogeneity of the material can be intreased. Furthermore the low deelectric stability of these ceramics at polarization temperatures must be increased by means of a corresponding modification of the composition, i.e., by reduction of the conflictivity loss that complicates the piezoelectric excitation of electromechanical transformers of this material. The authors express their gratitude to 1. 2. Rusakov for valuable advice and to the cooperators of the TaNILP L. B. Germayze, A. P. Yermakova, A. V. Konstantinov, N. A. Podeliner, V. A. Rovitskiy and A. A. Filimonov for helpful assistance.

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Council of The Commission Palicellectronics, USSE

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AUTHORS:

Kachkacheva, M. M., Dryabchuk, A. A., Rusakov, L. Z.,

Smazhevskaya, Ye. G.

21 High-temperature Piezoelectric Acceleration Transmitters

TITLE:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960, PERIODICAL:

Vol. 24, No. 10, pp. 1304-1306

TEXT: This article gives a description of a new acceleration transmitter. The sensitive element was made of the piezoceramic material (PbO.6BaO.4)Nb2O6. A general view of the transmitter is shown in Fig. 1, its design is given in Fig. 2. Due to its compact design the transmitter stands an overload of up to 300 g. It weighs about 50 g, and has a sensitivity of 10 mv/g. The sensitivity for the transverse vibration component is 5 - 6% lower than the axial sensitivity. The frequency characteristics and the temperature dependence of sensitivity are illustrated in Fig. 3 and Fig. 4, respectively. Data for piezoelectric

Card 1/2

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9,2180(3203,1162) 24,7500 (1043,1160)

S/048/60/024/011/024/036 B006/B060

AUTHORS:

Smazhevskaya, Ye. G. and Podol'ner, N. A.

TITLE:

Some Results of a Study of the PbO - Nb,0,

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960,

Vol. 24, No. 11, pp. 1394-1397

TEXT: This is the reproduction of a lecture delivered at the Third Conference on Ferroelectricity which took place in Moscow from January 25 to 30, 1960. The authors studied systems consisting of lead metaniobate and various metal oxides (oxides of Al, NZr, Ti, NLa, NSm, NW, NGe, Er, NY, Dy, and Nd) at concentrations between 0.5 and 1 mole with a view to stabilizing the seignettoelectric phase and to reducing the "seignettoelectric hardness" of PbNb206 (at the highest possible Curie temperature). Preliminary experiments showed that specimens with neodymium admixture exhibited a considerable piezoelectric effect, and these specimens were therefore examined most thoroughly. Specimens with 0.5, 1, 3, 4, 5, 7, and 10 mole% Nd203 were prepared and the

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